

Fractions, Decimals, and Percents - Black Problems

1. Exactly 63.41463414% of the people asked if they used 'Scrubbo' soap powder, replies 'Yes'.

What is the smallest number of people who could have been asked question?

Here's a Hint if you Need it

The decimal $0.\overline{xyz}$ is equal to the fraction $\frac{xyz}{999}$.

Similarly the decimal $0.\overline{xyzwxyz}$ is equal to the fraction $\frac{wxyz}{9999}$.

Fractions, Decimals, and Percents - Black Solutions

1. As a fraction, the percentage given is $\frac{7046}{11111}$ which cancels down to $\frac{26}{41}$.

So the smallest number of people who could have been asked the question is 41, of whom 26 replied 'yes'.